

## A NEW SPECIES OF THE GENUS *LAENA* DEJEAN FROM XIZANG, CHINA (COLEOPTERA, TENEBRIONIDAE, LAGRIINAE)

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**Abstract** A new species of *Laena* Dejean, *L. zhengi* sp. nov. (Coleoptera, Tenebrionidae), is described from Xizang, China. The photos of habitus and aedeagus, and illustrations of legs, antenna and last abdominal sternum of male are provided. Type specimens of the new species are deposited in the Hebei University Museum, Baoding, China (HBUM).

**Key words** Coleoptera, Tenebrionidae, Lagriinae, *Laena*, new species, China.

The genus *Laena* was proposed by Dejean in 1821, with *Scaurus viennensis* J. Sturm, 1807 as the type species. Until now, it has about 330 species which are distributed in Palearctic and Oriental Regions. Among them, 99 species (including the new one described in this paper) are known in China, of which 5 species were described by Schuster (1916, 1940), 2 species by Kaszab (1956, 1970), 1 species by Li and Wang (1993), 5 species by Masumoto and Yin (1993, 1994), 12 species by Masumoto (1996, 1998), 1 species by Ren and Hua (2006) and 72 species by Schawaller (2001, 2008).

*Laena* is similar to *Hypolaenopsis* Masumoto, 2001 and *Nepalolaena* Schawaller, 2001, but differs from the latter two in the following characters: the shape of body similar to ant beetles; antennae moniliform; head and pronotum without microgranulation between punctures; elytra with rows of punctures but without pedunculate at base.

During our study on this genus, we got an interesting species from Mòdog of Xizang, China. After our examination, it was showed to be a new species, *Laena zhengi* sp. nov.

***Laena zhengi* sp. nov.** (Figs 1–9)

Male. Body black, except antennae, eyes, tibiae and tarsi brown. Head transversely broad, subhexagonal; clypeus feebly excavated; genae raised; frons rather wide and flattened; punctation dense, each puncture bearing only one seta of different length. Eyes (Fig. 1) round, moderately prominent. Antennae (Fig. 2) extending to the base of pronotum, relative ratio of the length (width) of antennomeres II–XI as follows: 6.4 (5.0) : 12.9 (5.5) : 9.9 (5.0) : 10.1 (5.5) : 10.3 (6.0) : 10.7 (6.0) : 10.5 (6.5) : 10.3 (7.0) : 10.8 (7.9) : 15.7 (9.0).

Pronotum (Fig. 1) nearly inverse trapezium, 1.1 times as wide as long, widest at apical one-fourth, lateral margins simple, posterior margin bordered and not bent downwards; disc scattered with punctures slightly varying in size, punctures medially somewhat rarer than laterally, distance as 1–4 diameters, most punctures with long and erect setae, surface between punctures uneven and shining; posterior angles rounded. Propleures with smaller punctures and shorter setae than those of disc. Elytra (Fig. 1) oblong, width acrossing the humeri wider than posterior margin of pronotum, 1.68 times as long as wide, widest in middle; dorsum strongly convex though gently but broadly flattened in middle; elytra with rows of punctures in indistinct striae, punctures distinctly smaller than those of pronotum and each bearing a short seta; intervals finely punctured, each puncture bearing a long seta, all intervals feebly convex and shining, interval IX with 3 setiferous umbilicate pores. All femora without teeth. Protibiae (Fig. 3) normal, meso- and metatibiae (Figs 4, 5) with distinctly hooked at inner apices, metatibiae covered with small spines along middle of ventral margins. Last abdominal sternum (Fig. 6) distinctly protruding at posterior angles. Aedeagus as Figs 7–9.

Body length 7.0 mm, width 2.1 mm.

Female. Meso- and metatibiae normal, not hooked at inner apices. Last abdominal sternum slightly protruding at posterior angles. Other characters as male.

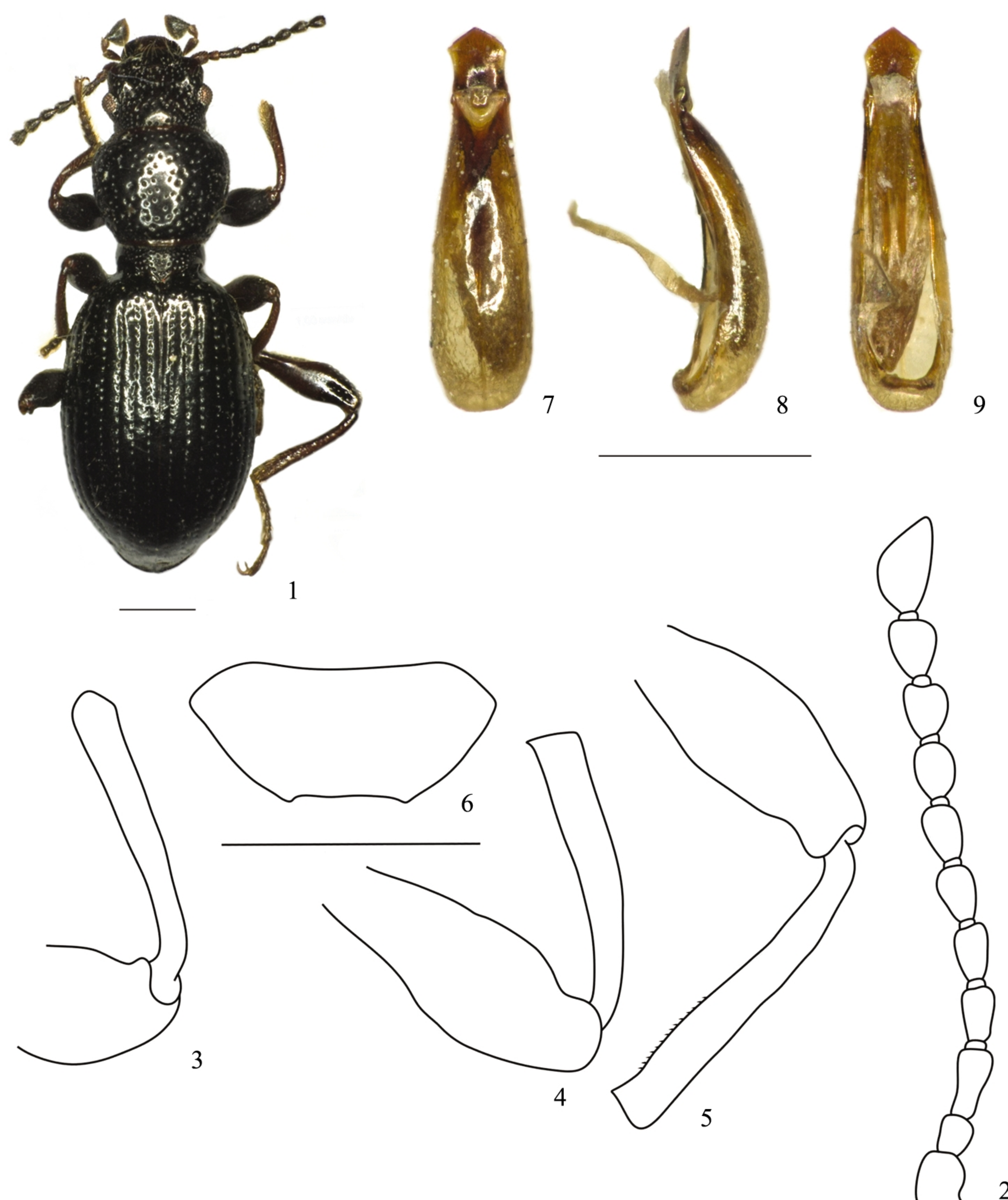
**Diagnosis.** The new species resembles *Laena hingstoni* Schuster, 1926 (Type locality: S Xizang, border to Sikkim, Jelap La, 3 660 m), but differs from the latter by the following characters: pronotum nearly inverse trapezium, meso- and metatibiae distinctly hooked at inner apices, metatibiae covered

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Figs 1 – 9. *Laena zhengi* sp. nov., ♂. 1. Habitus in dorsal view. 2. Antenna in outer view. 3. Pro-femora and tibiae in outer view. 4. Meso-femora and tibiae in inner view. 5. Meta-femora and tibiae in outer view. 6. Pygidium in ventral view. 7 – 9. Aedeagus in dorsal, lateral and ventral views. Scale bars = 1 mm.

with small spines and last abdominal sternum distinctly protruding at posterior angles in male.

Holotype ♂, China, Xizang, Môdog, Hanmi, alt. 2 200 m, 19 Aug. 2005, TANG Liang coll. Paratype 1 ♀, same data as holotype. Both holotype and paratype are deposited in the Hebei University Museum, Baoding, China (HBUM).

Etymology. Named after Prof. ZHENG Zhe-Min, in honor of his great contribution to the taxonomy of Chinese insects.

Remarks. The holotype is destroyed, its antennomeres IX – XI of left antenna, left mesotarsi, left meta-tibiae and tarsi are missing.

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## 藏东南莱甲属一新种记述 (鞘翅目, 拟步甲科, 伪叶甲亚科)\*

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**摘要** 记述中国西藏莱甲属 *Laena* Dejean 1 新种 *Laena zhengi* sp. nov., 提供了整体和阴茎的照片以及足、触角和肛节的线条图, 模式标本保存于河北大学博物馆。

**郑氏莱甲, 新种 *Laena zhengi* sp. nov.** (图 1 ~ 9)

新种与 *Laena hingstoni* Schuster, 1926 (模式产地: 西藏与锡金接壤的 Jelap La) 在外型上相似, 两者的共同点是前胸背板基缘都有饰边, 前胸背板盘区和鞘翅行间都有直立长

毛, 但前胸背板的形状不同; 前者的中后足胫节端部内侧有细钩, 后足胫节中部内侧有小刺, 而后者没有这样的特征。

正模 ♂, 西藏墨脱县汗密, 海拔 2 200 m, 2005-08-19, 唐亮采。(原采集标签记录是: Hanmi Moto Coun. Xizang A. R. alt. 2 200 m, 19-08-2005, TANG Liang leg.)。副模 1 ♀, 纪录同正模。

词源学: 新种种名以昆虫学家郑哲民教授的姓氏命名。

**关键词** 鞘翅目, 拟步甲科, 伪叶甲亚科, 莱甲属, 新种, 中国。

**中图分类号** Q969.498.2

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